

Agricultural Chemical Use, 1999

By Stephanie J. Houston

Selected Field Crops -

Nitrogen: Pennsylvania farmers applied nitrogen to 37 percent of the 370,000 acres of soybeans planted in 1999. Total nitrogen applied to soybeans in 1999 was 2.8 million pounds. Ninety-seven percent of the State's 14,500 acres of fall potatoes received one or more applications of nitrogen. Total nitrogen applied to fall potatoes was 2.2 million pounds.

Phosphate: Phosphate was applied to 41 percent of the State's soybean acres planted in 1999. Total phosphate applied to soybeans in 1999 was 7.5 million pounds. Ninety-seven percent of the Commonwealth's 14,500 acres of fall potatoes planted in 1999 received a phosphate application. A total of 1.8 million pounds of phosphate was applied to the 1999 fall potato acreage.

Potash: Soybean growers in the State applied potash to 43 percent of the 370,000 acres they planted in 1999. Total amount applied was 10.0 million pounds. Fall potato producers applied potash to 97 percent of their planted acres. A total of 2.0 million pounds was applied.

Pesticides: Herbicides were applied to 99 percent of the 370,000 acres of soybeans planted and 94 percent of the 14,500 acres of fall potatoes planted. Insecticides were applied to 11 percent of soybean acreage in Pennsylvania for the 1999 crop year. Fungicides were applied to 95 percent of the fall potato acreage.

Glyphosate was the most common pesticide applied to soybeans, with 81 percent of the acres receiving treatment. Metribuzin was applied to 89 percent of the fall potato acreage.

Pennsylvania: Total Acreage & Acreage Receiving Pesticide Applications, Specified Crops, 1999

Crop	Area Planted	Area Receiving Treatment		
		Herbicide	Insecticide	Fungicide
	<i>Acres</i>		<i>Percent</i>	
Soybeans	370,000	99	11	0
Fall Potatoes	14,500	94	99	95

Pennsylvania: Frequency & Extent of Fertilizer Usage, Specified Crops, 1999

Crop & Nutrient	Area Planted	Area Applied	Applications	Rate Per Application	Rate Per Crop Year	Total Applied
	<i>Acres</i>	<i>Percent</i>	<i>Number</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Mil. Pounds</i>
Nitrogen						
Soybeans	370,000	37	1.0	20	21	2.8
Fall Potatoes	14,500	97	1.6	92	155	2.2
Phosphate						
Soybeans	370,000	41	1.0	48	50	7.5
Fall Potatoes	14,500	97	1.1	104	124	1.8
Potash						
Soybeans	370,000	43	1.0	62	62	10.0
Fall Potatoes	14,500	97	1.2	113	141	2.0